

ABSTRACT

The present invention provides a Fast Moiré Interferometry (FMI) method and system for measuring the dimensions of a 3D object using only two images thereof. The method and the system perform the height mapping of the object or the height mapping of a portion of the object. The present invention can be used to assess the quality of the surface of an object that is under inspection. It can also be used to evaluate the volume of the object under inspection.